

DialogIP

COMPOSITE NONWOVEN SHEET

Publication Number: 11-115127 (JP 11115127 A) , April 27, 1999

Inventors:

- HIROSHIMA MASAHIRO
- NAKAJIMA SACHIKO

Applicants

- ASAHI DU PONT FLASH SPAN PRODUCTS KK

Application Number: 09-299664 (JP 97299664) , October 17, 1997

International Class:

- B32B-027/32
- B32B-005/08
- B32B-005/26
- B32B-027/40
- D04H-001/42

Abstract:

PROBLEM TO BE SOLVED: To provide an excellent sense of wearing comfortableness while having barrier properties by incorporating a moisture permeability, mechanical characteristics and water pressure resistance by setting the permeability to a specific value and a water resistance and burst strength to specific values or more in a composite nonwoven sheet. **SOLUTION:** This composite nonwoven sheet is obtained by complexing a polyolefin nonwoven fabric made of a three-dimensional reticular fiber by a flash spinning method and an urethane resin sheet. As the method for complexing the polyolefin nonwoven fabric and the resin sheet, a partially thermally laminating, hot melt powder scattering, dispersively coating of hot melt adhesive in a fiber shape or the like is used. In this case, the composite nonwoven sheet has a moisture permeability based on a JIS L-1099A-1 method of 1,000 to 10,000 g/cm²/24 hrs, a water resistance measured according to JIS L-1092 high hydraulic pressure method of 3000 mm or more, and a burst strength measured according to JIS L-1096 of 5 kg/cm² or more. The urethane resin sheet is non-porous, and has moisture permeability and a thickness of 3 to 50 μ m. **COPYRIGHT:** (C)1999,JPO

JAPIO

© 2004 Japan Patent Information Organization. All rights reserved.

Dialog® File Number 347 Accession Number 6173579